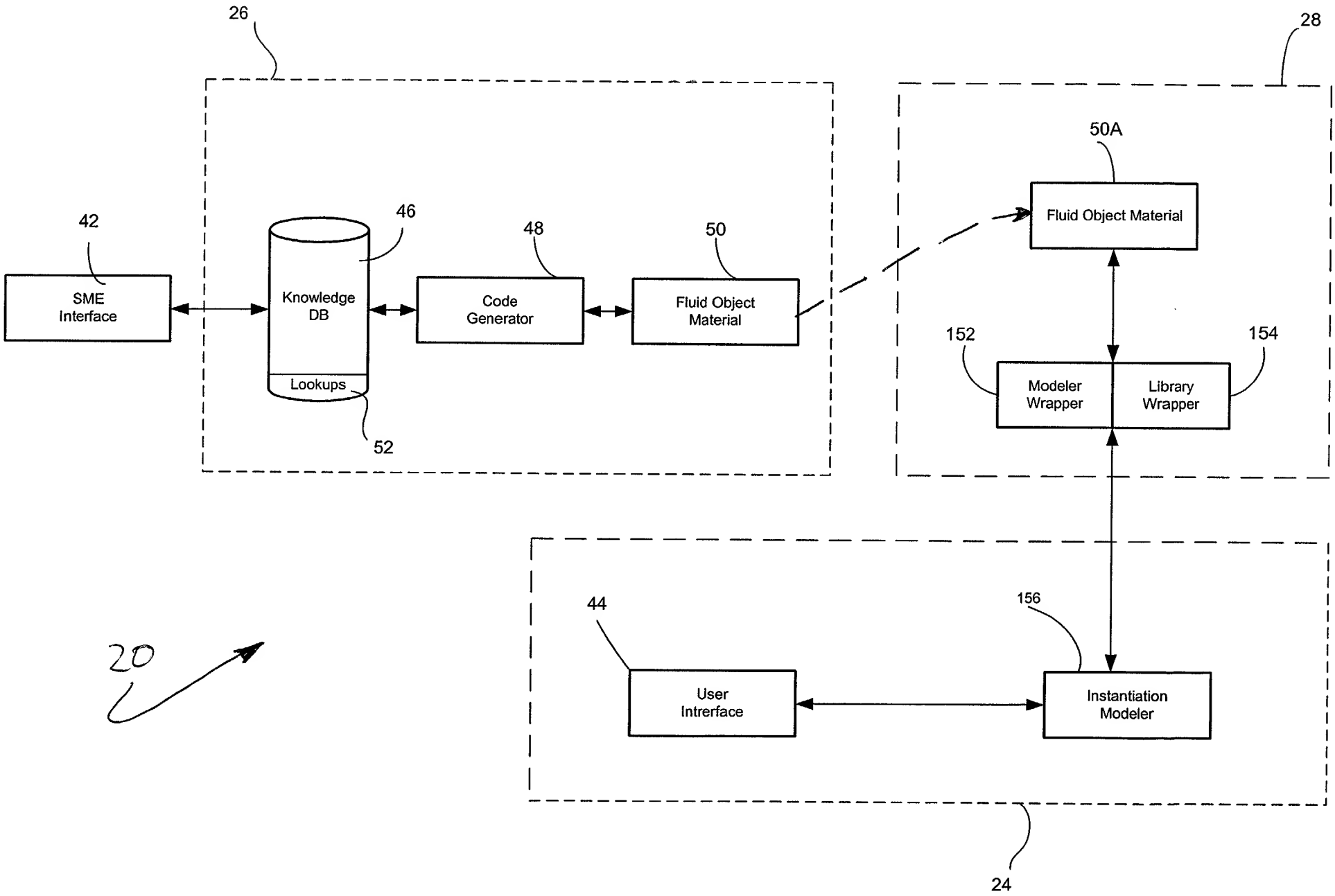
Fig. 1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SME Interface
Knowledge DB
Lookups
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Code Generator
Fluid Object Material
Fluid Object Material
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Modeler Wrapper
Library Wrapper
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User Intrerface
Instantiation Modeler
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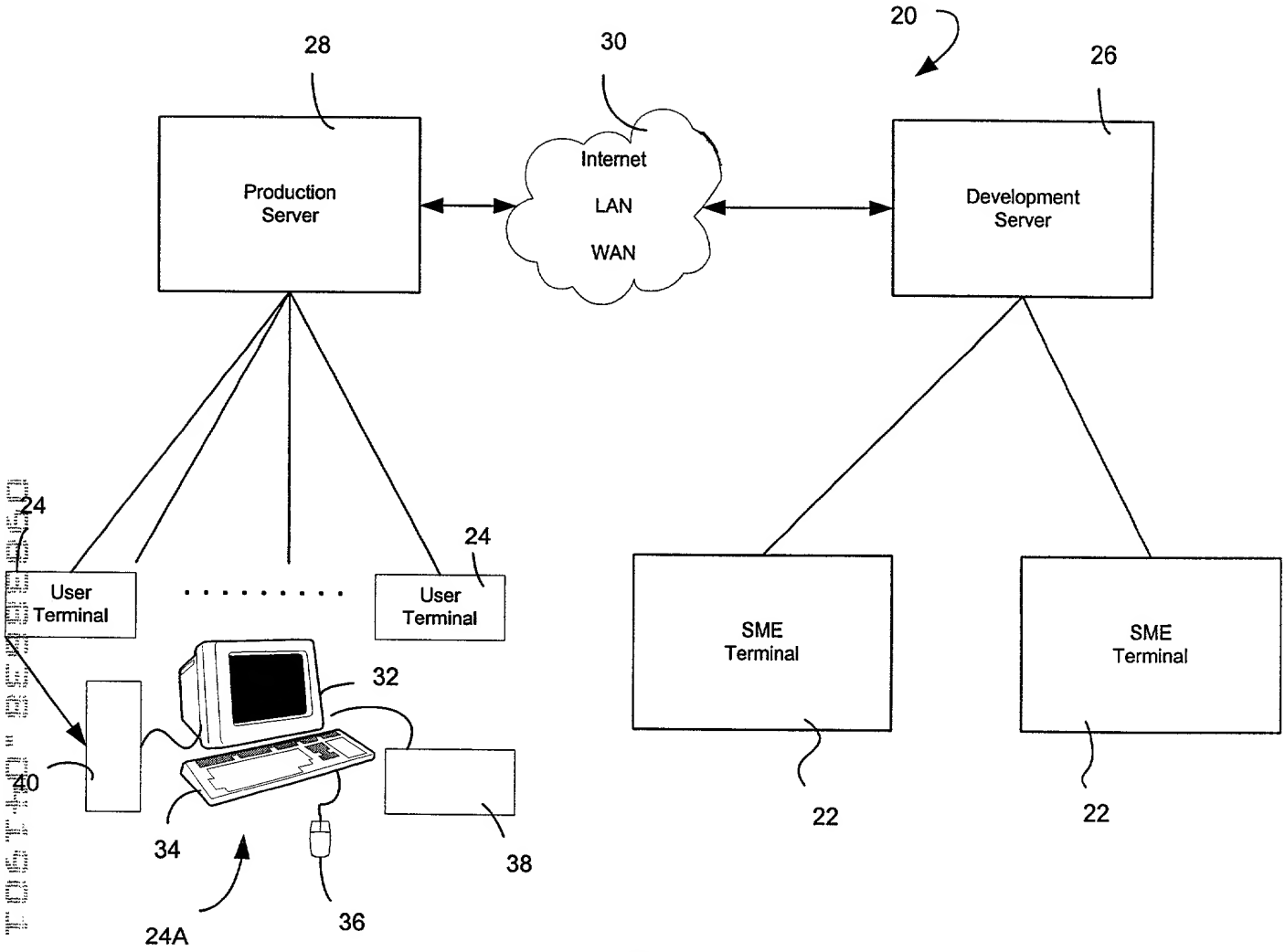
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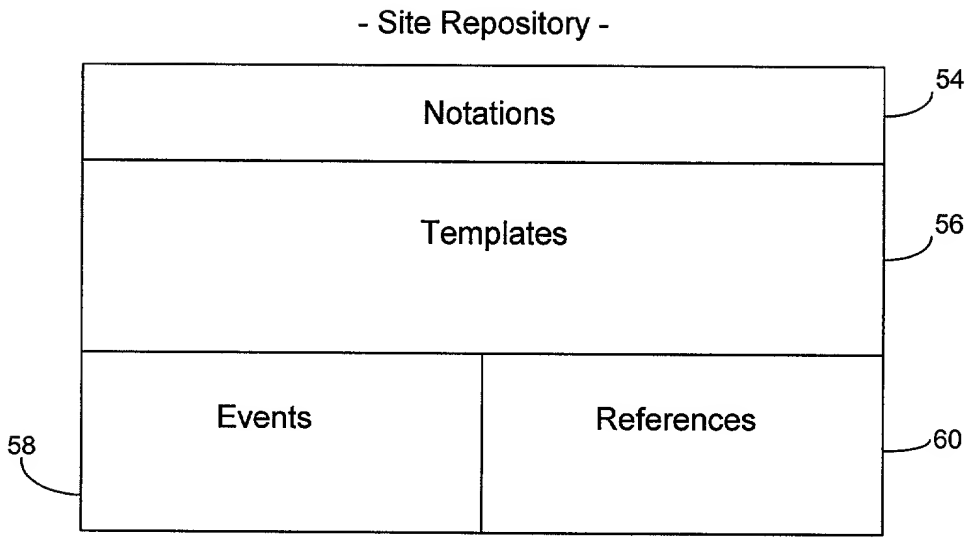
Production Server
Internet
LAN
WAN
Development Server
24
24
User Terminal
User Terminal
SME Terminal
SME Terminal
32
40
34
38
36
24A
22
22

Fig. 2

Fig. 3


- Site Repository -
Notations
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Templates
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Events
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References
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FIG. 4

Database Model (FOM)

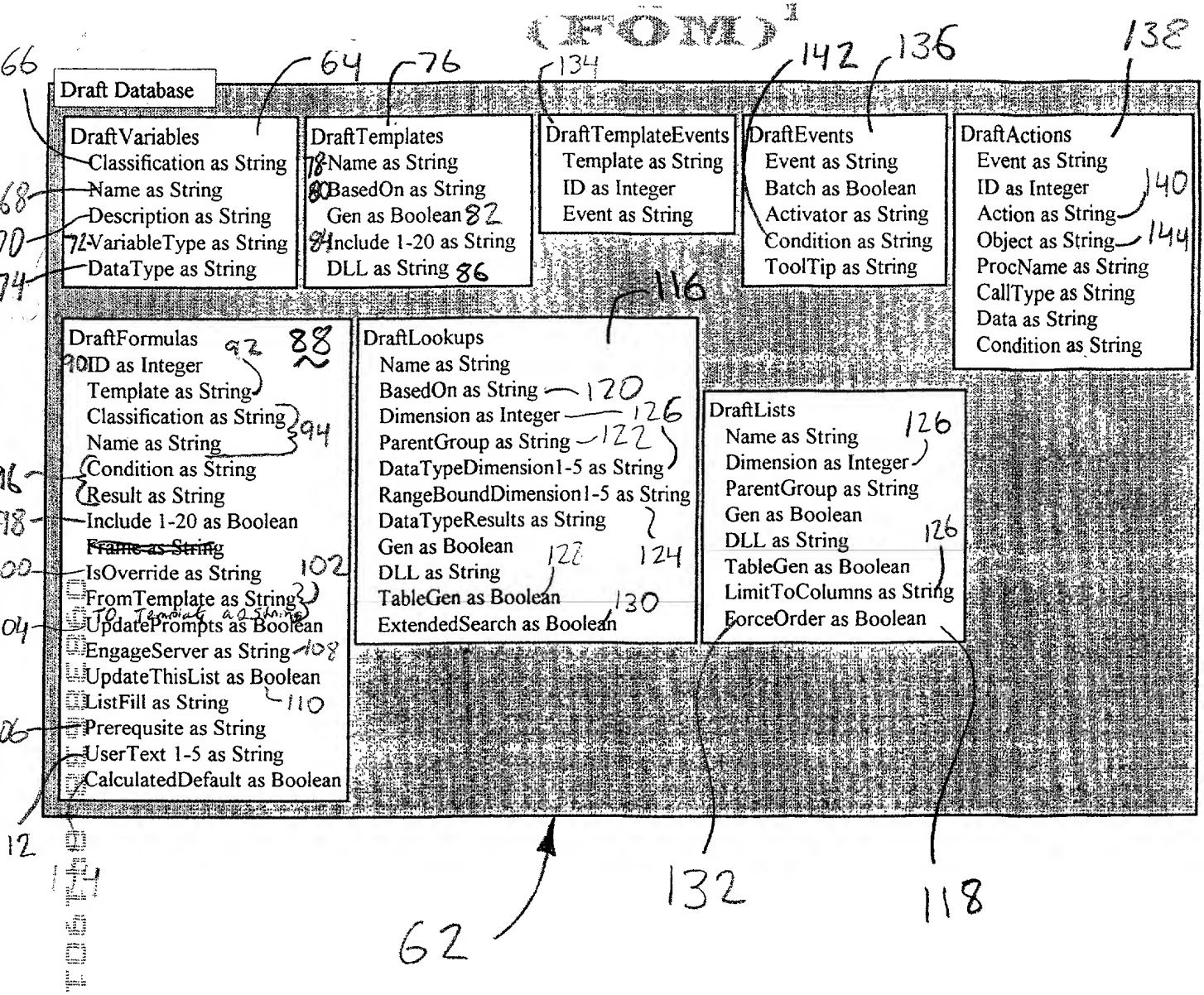

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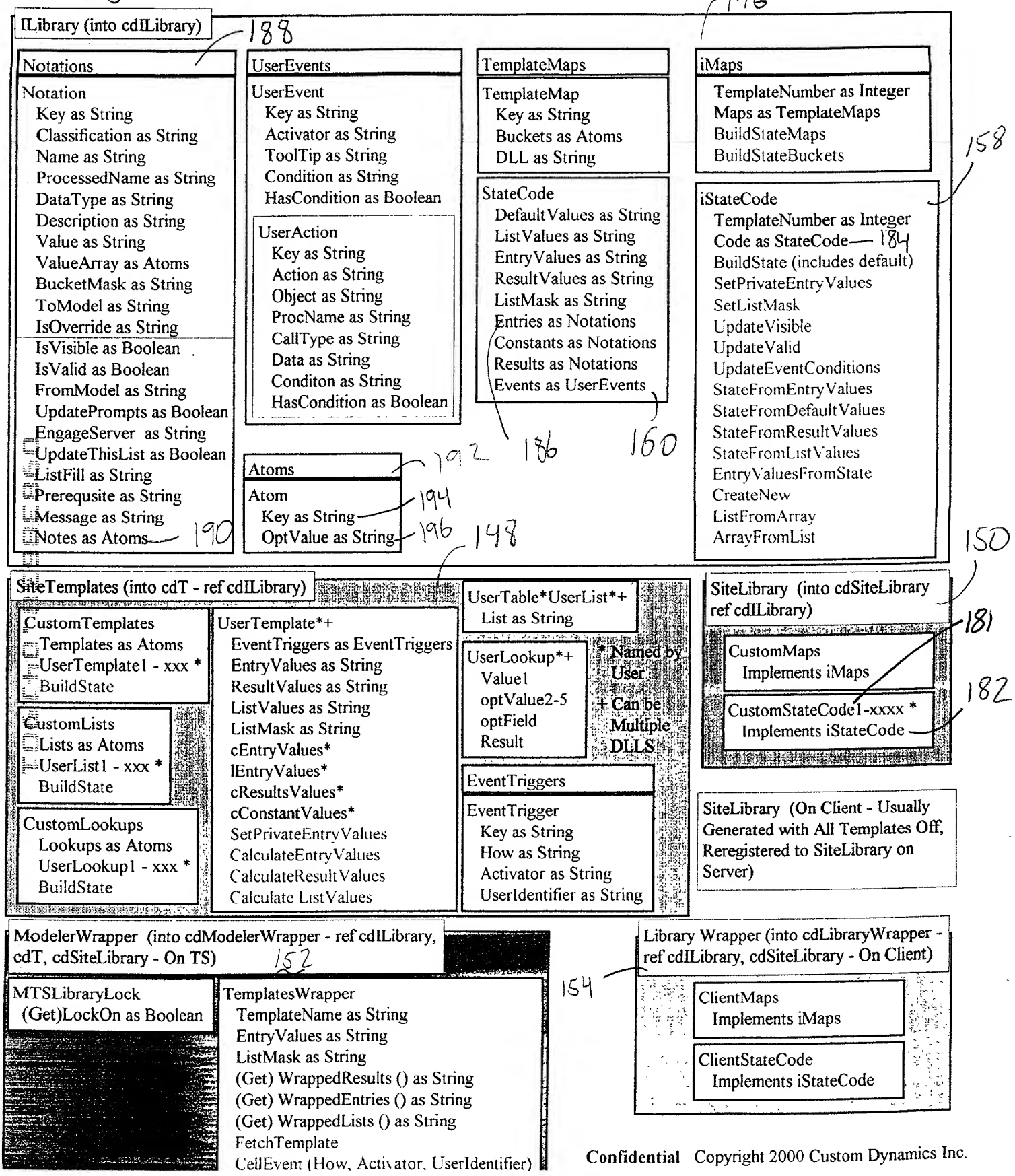
Fig. 5

Object Model - Fluid Object Modeler (FOM)2



↓ make sure this is complete

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FIG. 6

Object Model - Fluid Object Material (FOM)³

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Modeler (into cdModeler ref cdlLibrary, cdModelerWrapper, cdLibraryWrapper - On Client)

WorkingModels
- Key as Long
- Notes as Atoms
- GetMaps
- GetBuckets(TemplateNumber as Integer)
- CreateModel(Template as String, OptQuantity as Integer)
- RemoveModel(Number as Long, OptToEnd as Boolean)
- Reconcile(Number as Long, FromTemplate as String)

Model
- Key as Long
- Name as String
- TemplatelNumber as Integer
- Entries as Notations
- Results as Notations
- Events as UserEvents
- Notes as Atoms
- InitializeModel
- RefreshPrompts (OptCurrentEntry as Integer)
- RefreshResults
- PerformOverrides
- RestoreDefaultValues
- ListFromArray
- ArrayFrom List
- ProcessEvents(How As String, Activator As String, UserIdentifier As String)
- ModelerAction(UserIdentifier As String, UserEvent As String, Action As String, ModelNumber As Long, Object As String, ProcName As String, CallType As String, Data As String)
- ActionComplete(UserIdentifier As String,UserEvent As String, Action As String, ModelNumber As Long, StatusCode As Long, StatusMessage As String)

Notations

Notation
- Key as String
- Classification as String
- Name as String
- ProcessedName as String
- DataType as String
- Description as String
- Value as String
- ValueArray as Atoms
- BucketMask as String
- Frame as String
- IsOverride as String
- IsVisible as Boolean
- IsValid as Boolean
- FromTemplate as String
- UpdatePrompts as Boolean
- EngageServer as String
- UpdateThisList as Boolean
- ListFill as String
- Prerequsite as String
- Message as String
- Notes as Atoms

UserEvents

UserEvent
- Key as String
- Activator as String
- ToolTip as String
- Condition as String
- HasCondition as Boolean

UserAction
- Key as String
- Action as String
- Object as String
- ProcName as String
- CallType as String
- Data as String
- Conditon as String
- HasCondition as Boolean

TemplateMaps

TemplateMap
- Key as String
- Buckets as Atoms
- DLL as String

Atoms

Atom
- Key as String
- OptValue as String

EntryObjects (ref ADO, InventoryObjects, CustomerObjects, EntryServer, cdlLibrary, cdModeler)

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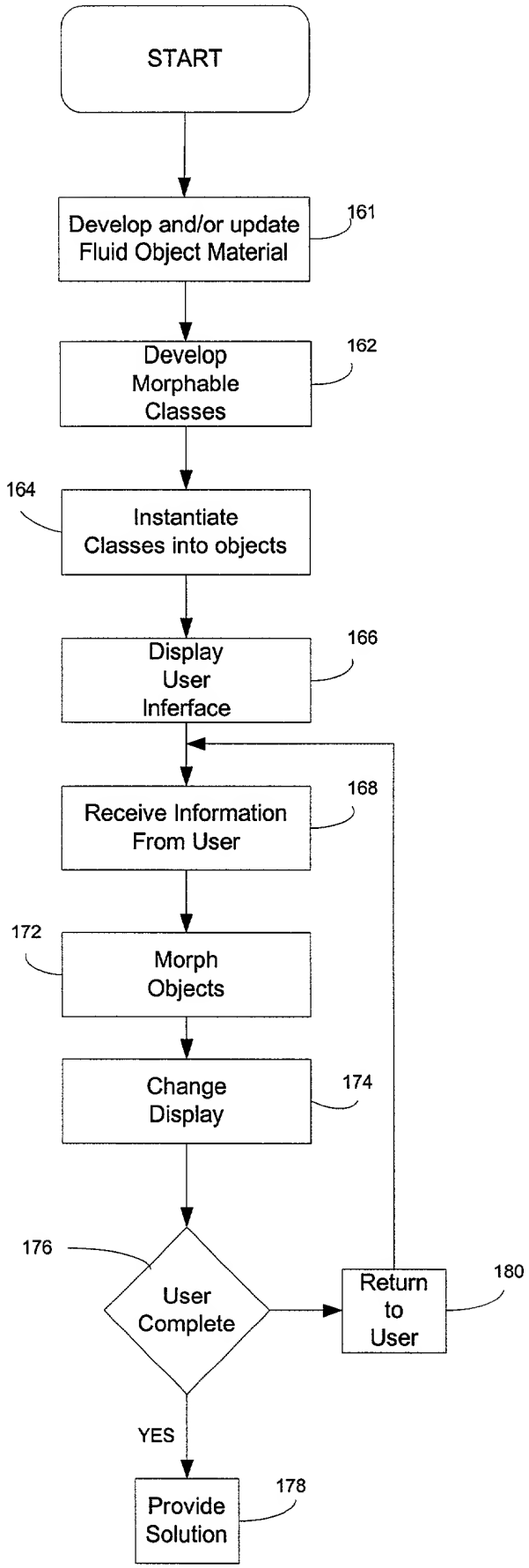
Fig. 7



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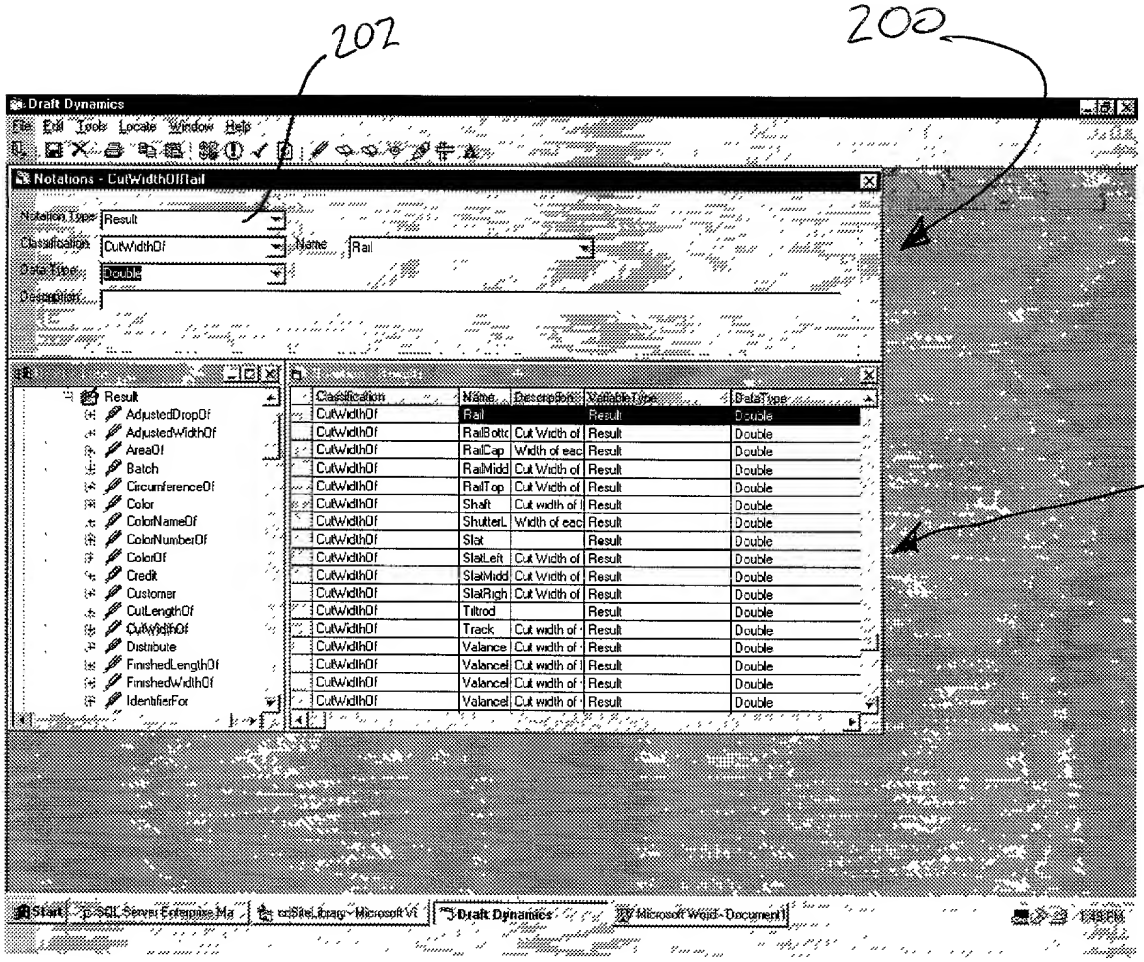

Fig. 8

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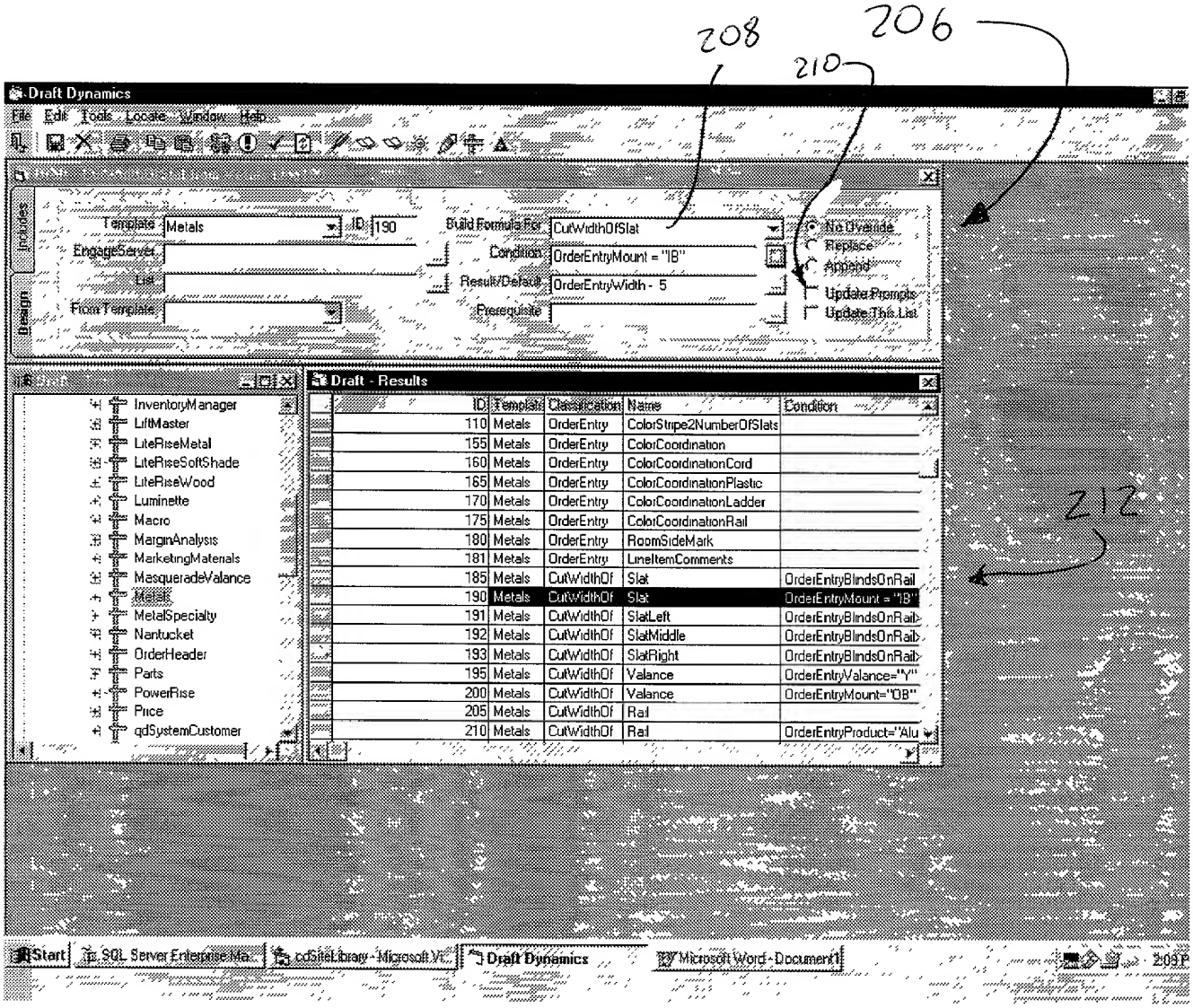

Fig. 9

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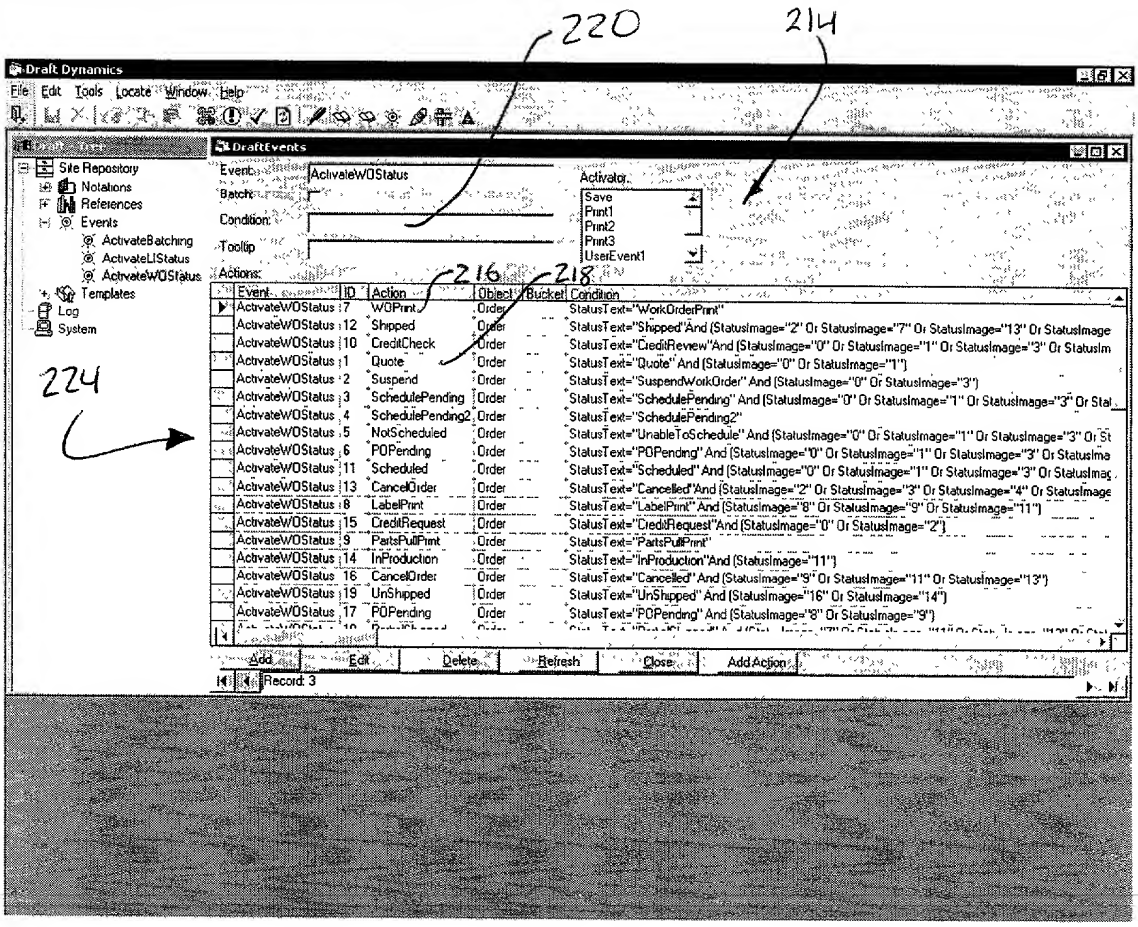

Fig. 10

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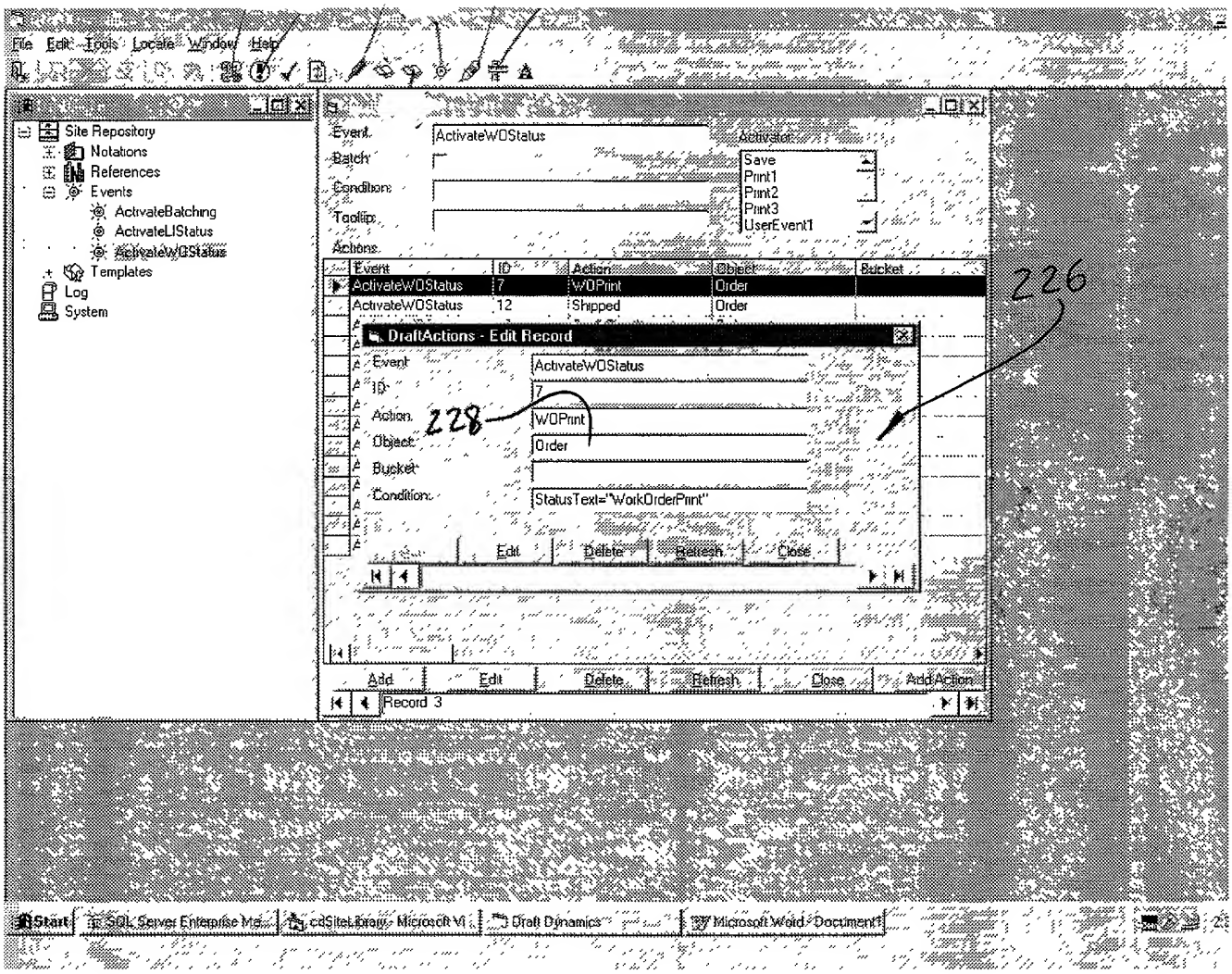

Fig. 11

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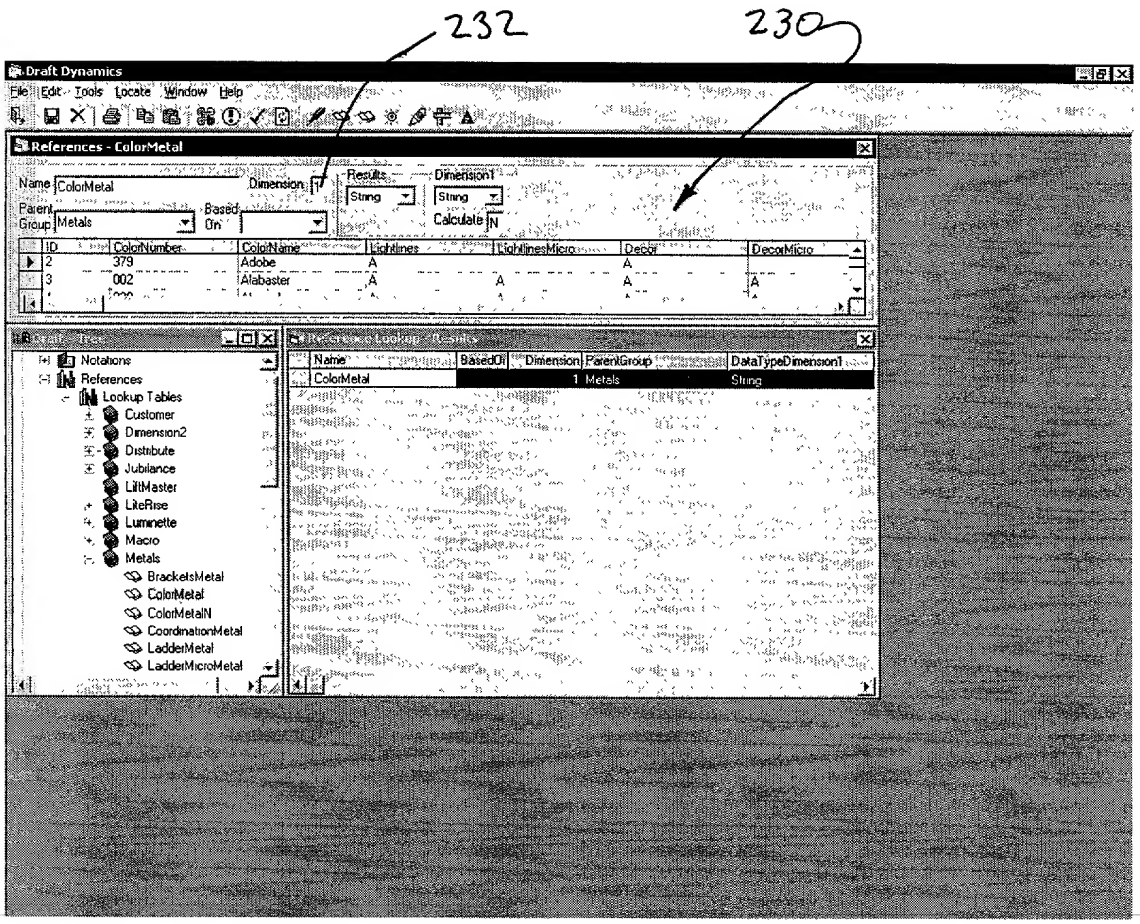

Fig. 12

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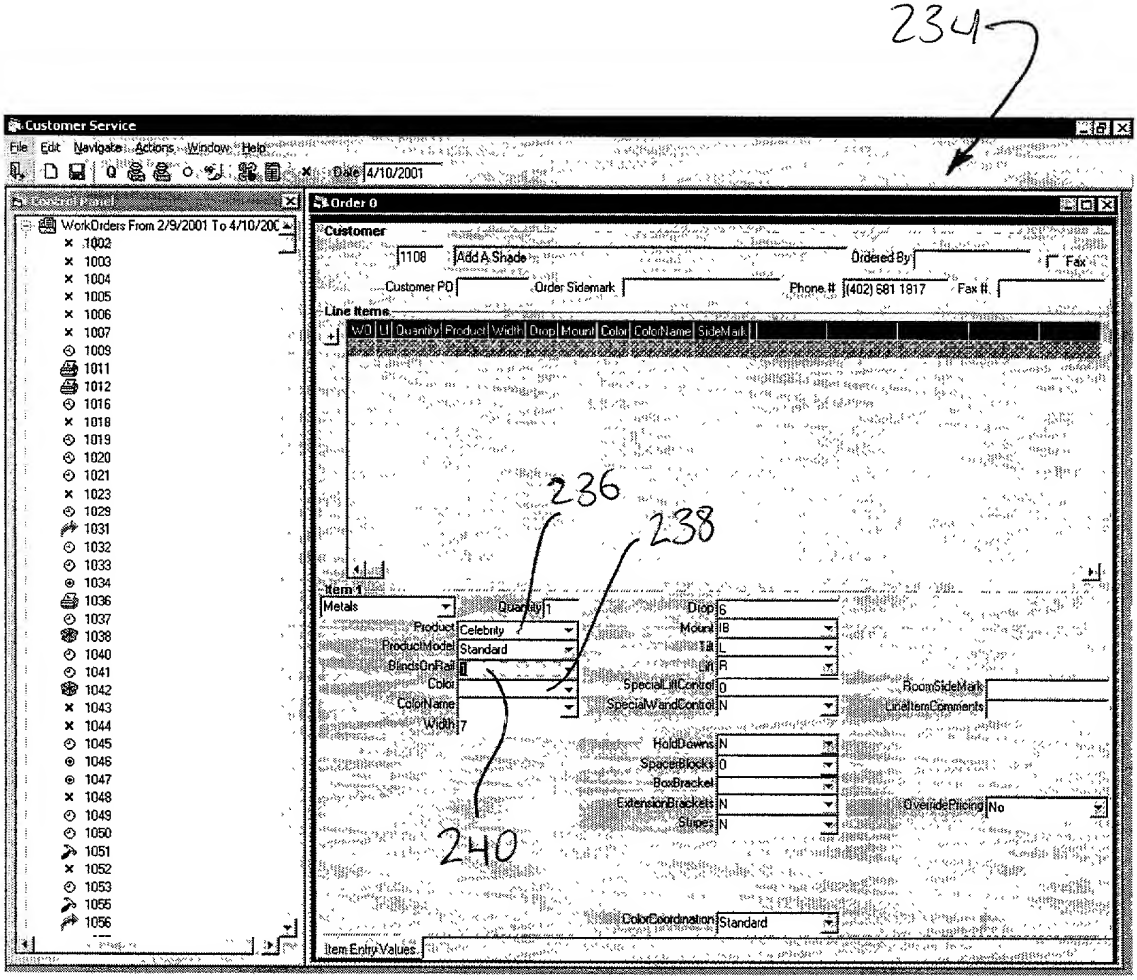

Fig 13A

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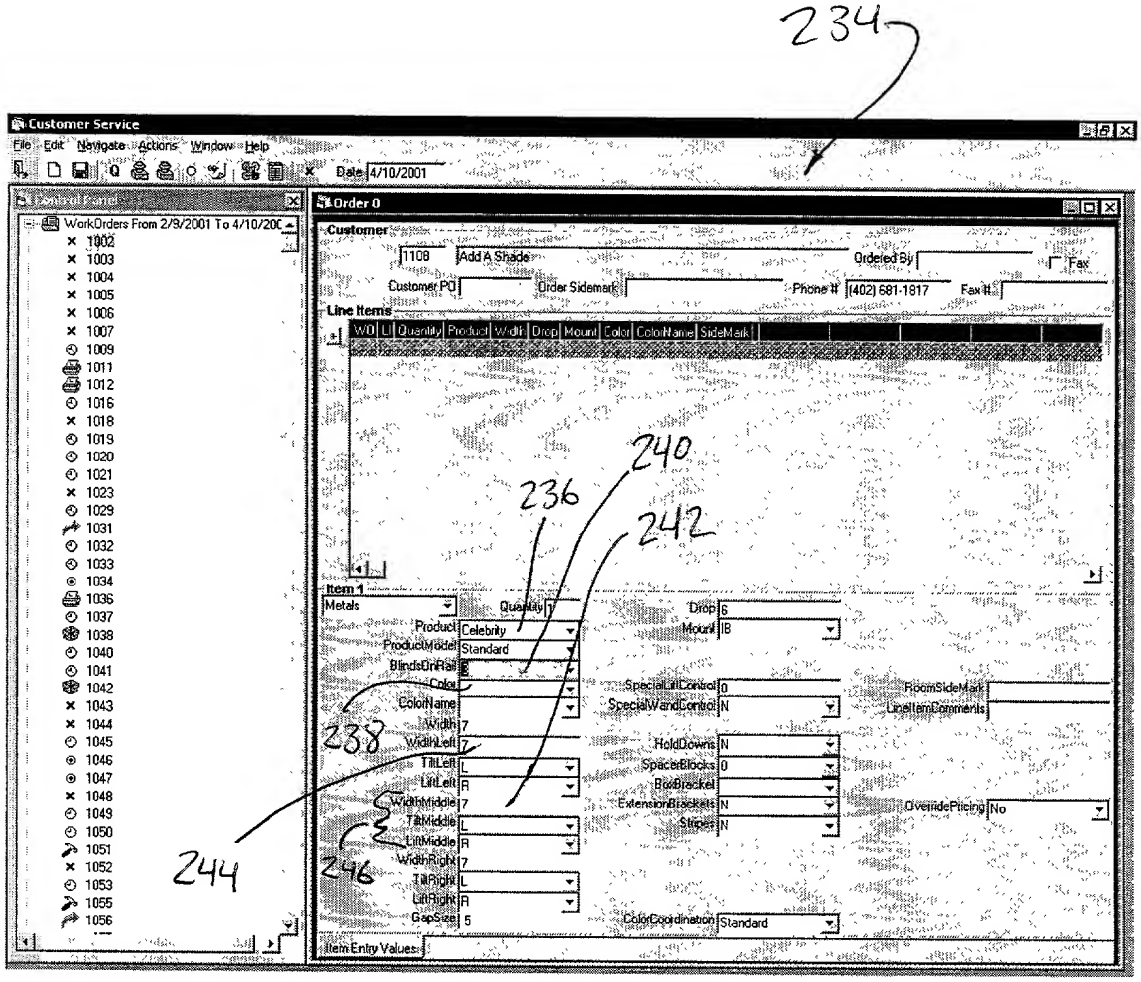

Fig. 13B

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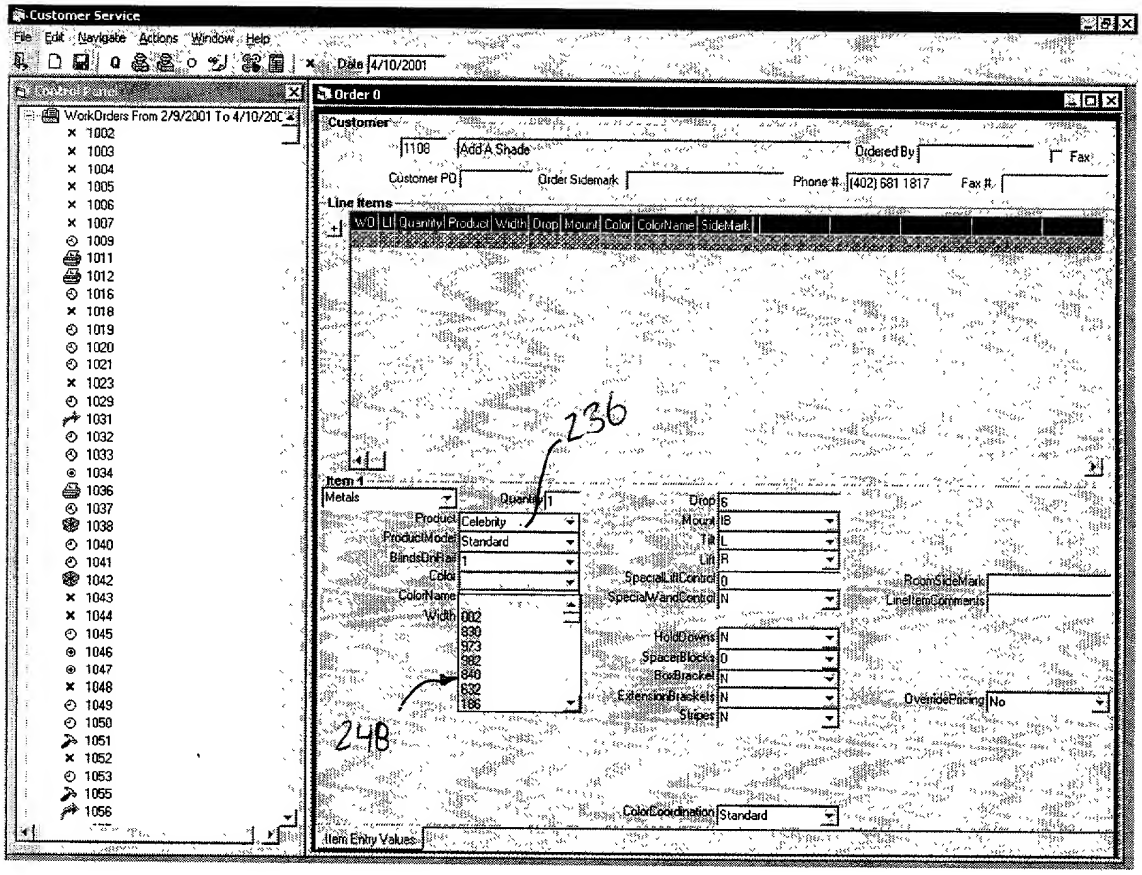

Fig. 14A

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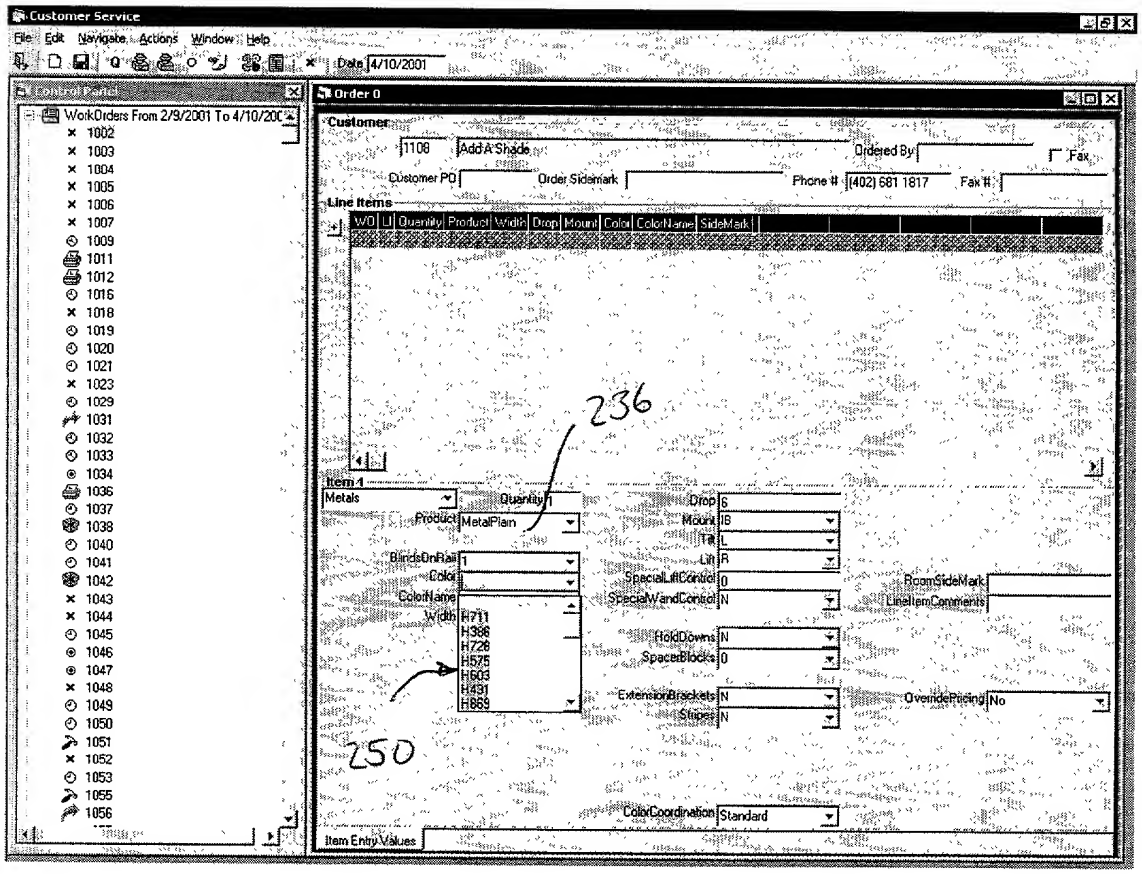

Fig. 14B

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